

Waste Isolation Pilot Plant 2001 Site Environmental Report
DOE/WIPP 02-2225

Appendix A
Acronyms, Abbreviations, and Symbols

A

ACAA	Accelerated Corrective Action Approach
AMSL	above mean sea level
ANOVA	Analysis of Variance
ANSI	American National Standards Institute
AOC	Area of Concern
APP	affirmative procurement plan
ASTM	American Society for Testing and Materials

B

BCG	Biota Concentration Guides
BLM	United States Department of the Interior, Bureau of Land Management
BLS	below land surface
Bq	becquerel
Bq/l	becquerels per liter
Bq/m ³	becquerels per cubic meter

C

C of C	Certificate of Compliance
CAP88	computer code for calculating both dose and risk from radionuclide emissions
CBFO	Carlsbad Field Office
CCA	Compliance Certification Application
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	<i>Code of Federal Regulations</i>
Ci	curie
cm	centimeter
CMS	Corrective Measures Study
CY	calendar year

D

DOE	United States Department of Energy
DOT	United States Department of Transportation

E

EA	Environmental Assessment
EEG	Environmental Evaluation Group
Eh	Intensity Factor
EIS	Environmental Impact Statement
EML	Environmental Measurements Laboratory
EMP	WIPP Environmental Monitoring Plan
EMS	Environmental Management System
EPA	United States Environmental Protection Agency

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F

ft	foot
ft ³	cubic foot
FEIS	Final Environmental Impact Statement
FR	<i>Federal Register</i>
FY	fiscal year

G

g	gram
gal	gallon
Gy	Gray

H

HalfPACT	Short Transuranic Package Transporter
HEPA	high efficiency particulate arresting
HWFP	Hazardous Waste Facility Permit

I

ISO	International Organization for Standardization
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K

kg	kilogram
km	kilometer
km ²	square kilometers

L

l	liter
LMP	Land Management Plan
LUR	Land Use Request

M

m ³	cubic meters
mBq	millibecquerel
MDC	Minimum Detectable Concentration
MDL	Method Detection Limit
mg	milligram
mg/l	milligram per liter
mi	mile
mi ²	square miles
ml	milliliter
MOU	Memorandum of Understanding
mrem	millirem
mrem/yr	millirem per year
MSDS	material safety data sheet
mSv	millisievert
mSv/yr	millisievert per year
mt	metric tons

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N

N/A	not applicable
NCRP	National Council for Radiation Protection and Measurements
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NHPA	National Historic Preservation Act
NIST	National Institute of Standards and Technology
NMAC	New Mexico Administrative Code
NMDG&F	New Mexico Department of Game and Fish
NMED	New Mexico Environment Department
NMIMT	New Mexico Institute of Mining Technology
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
NQA	Nuclear Quality Assurance
NR	not reported
NRC	Nuclear Regulatory Commission

O

oz	ounce
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P

P2	pollution prevention
Pub. L.	Public Law
PCB	polychlorinated biphenyl
pCi	picoCuries
pCi/l	picoCuries per liter
ppbv	parts per billion by volume
PPOA	Pollution Prevention Opportunity Assessment

Q

QA	quality assurance
QAP	Quality Assurance Program
QC	quality control

R

RCRA	Resource Conservation and Recovery Act
rem	Roentgen equivalent man
RER	Relative Error Ratio
RFI	RCRA Facility Investigation
RFI/CMS	RCRA Facility Investigation/Corrective Measures Study
RL	Reporting Limit
ROD	Record of Decision
RN	Radionuclide

S

SARA	Superfund Amendments and Reauthorization Act
SD	soil deep

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SD	Standard Deviation
SDWA	Safe Drinking Water Act
SEIS-I	First Supplemental Environmental Impact Statement
SEIS-II	Second Supplemental Environmental Impact Statement
SI	Soil Intermediate
SMA	Special Management Area
SNL	Sandia National Laboratories
SPDV	Site Preliminary Design and Validation
SS	Soil Surface
SU	Standard Unit
SWMU	Solid Waste Management Unit
T	
TCLP	Toxicity Characteristic Leaching Procedure
TDS	Total Dissolved Solid
TOC	Top of Casing
TPU	Total Propagated Uncertainty
TRANSCOM	Transportation Tracking and Communications (system)
TRU	Transuranic (waste)
TRUPACT-II	Transuranic Package Transporter Model II
U	
U.S.C.	<i>United States Code</i>
USF&WS	United States Department of the Interior, Fish and Wildlife Service
UTLV	Upper Tolerance Limit Value
V	
VOC	Volatile Organic Compound
W	
WIPP	Waste Isolation Pilot Plant
WQSP	WIPP Groundwater Quality Sampling Program
WRP	WIPP Raptor Program
WTS	Westinghouse TRU Solutions LLC

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Symbols

σ	sigma
$^{\circ}\text{C}$	Degrees Celsius
$^{\circ}\text{F}$	Degrees Fahrenheit
μCi	microcurie
μg	microgram
μmhos	micromhos
$\%$	Percent
[RN]	Radionuclide concentration

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